

Annual Maintenance Cost

Data Collection and Reporting

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Office of Engineering and Construction Management

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3 Kinds of Maintenance

- What was Planned - Required Maintenance
 - Estimated cost to perform activities that one would normally expect to be accomplished as determined by engineering/maintenance/life cycle analysis and required repair
- What was Accomplished - Actual Maintenance
 - Actual cost of the day-to-day work required to sustain property in a condition suitable to be used for its designated purposes, including preventative, predictive, and corrective
- What was Not Accomplished - Deferred Maintenance
 - Estimated cost of work that was not performed when it should have been or was schedule, and is therefore put off or delayed for a future period [SFFAS No. 6]

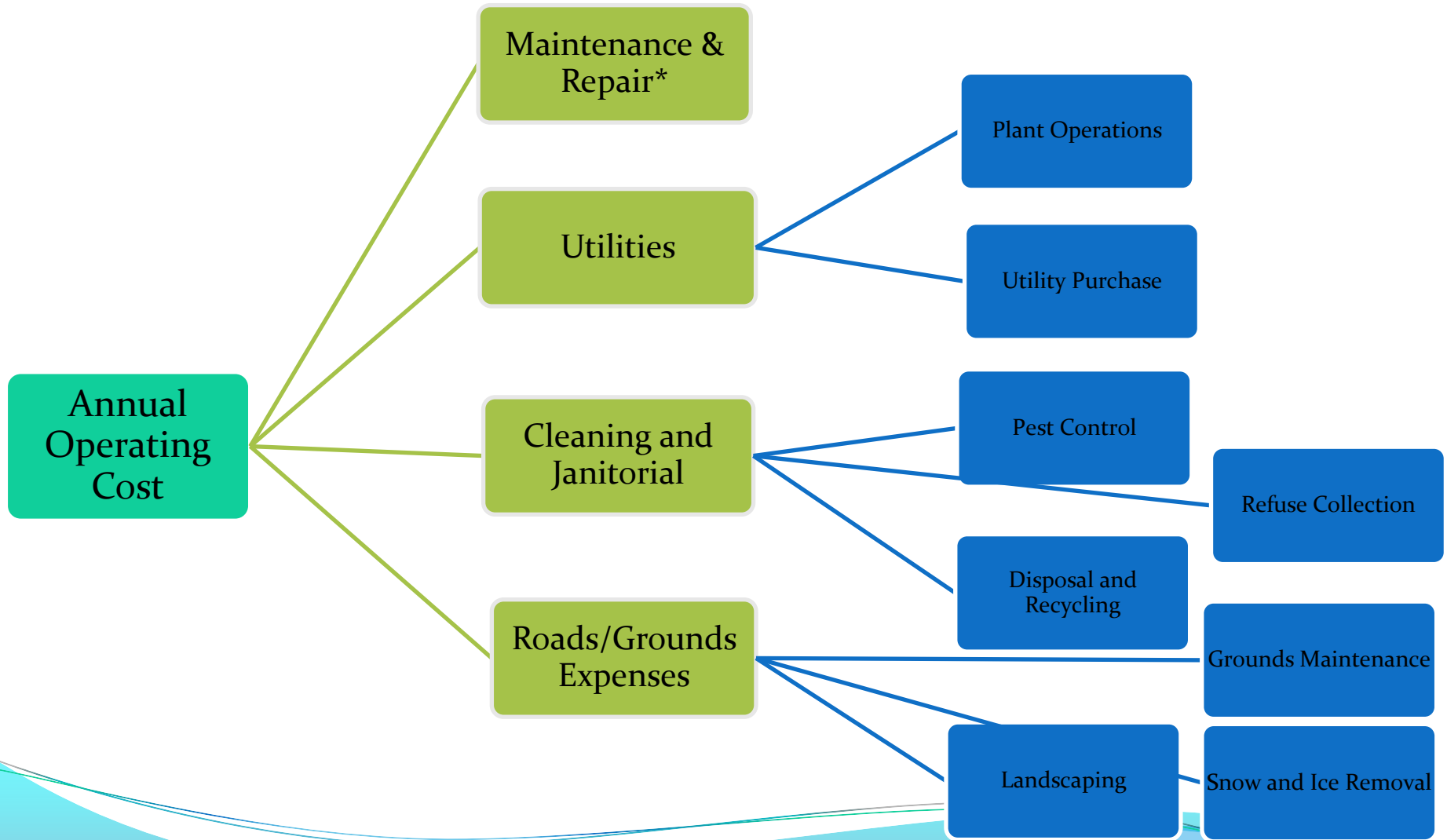


Cost Data Reported Annually

- Federal Real Property Profile (FRPP)
 - Annual Operating Cost
 - Condition Index
- Support Cost by Functional Activity (SCFA) Report
 - Mission Support Costs from Contractor Financial Accounting System
- Annual Maintenance Expenditure Report to Congress
 - Planned Maintenance from the Congressional Budget Submission
 - Actual Maintenance from the Quarterly Maintenance Report
- DOE Consolidated Financial Report
 - Deferred Maintenance from FIMS



FRPP Cost Organization





FRPP Annual Costs Recorded in FIMS

FIMS - Property - Building - Maintenance - Microsoft Internet Explorer provided by DOE/OE

https://fims.doe.gov/newfims/common/controller.jsp?navtype=t&m=1&s=8&t=18&extradata=propertyType=B|propertyseqno=201888|propertyOwned=1

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FIMS - Property - Building - Maintenance

Property Administration Reports

Building OSF Land Trailer

Maintenance

Property (ID - Name) FER-BLDG-VISITORCNTR - Visitor Center Building Owned/ Ingrant DOE Owned

Deferred Maintenance: \$1,163
Inspection Date: 03/03/2009
Ann Reqd Maintenance: \$36,006
Ann Actual Maintenance: \$37,169

Recorded at the asset level

Planning Information

Conventional Facility Ind: 100% (Input 25% as .25; Input 100% as 1)
Modernization Planning Ind: ☐
Rehab and Improvement Cost:

Operating Cost

Electricity Cost:	\$390,915	Gas Cost:	\$8,774
Water/Sewer Cost:	\$7,198	Refuse Cost:	\$926
Pest Control Cost:	\$1,058	Recycle Cost:	\$0
Central Heating Cost:	\$0	Grounds Cost:	\$18,087
Central Cooling Cost:	\$0	Janitorial Cost:	\$0
Snow Removal Cost:	\$0	Hours of Operation Per Wk:	60

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United States Department of Energy - FIMSWeb Version 1.33
For more information [Contact Us](#)

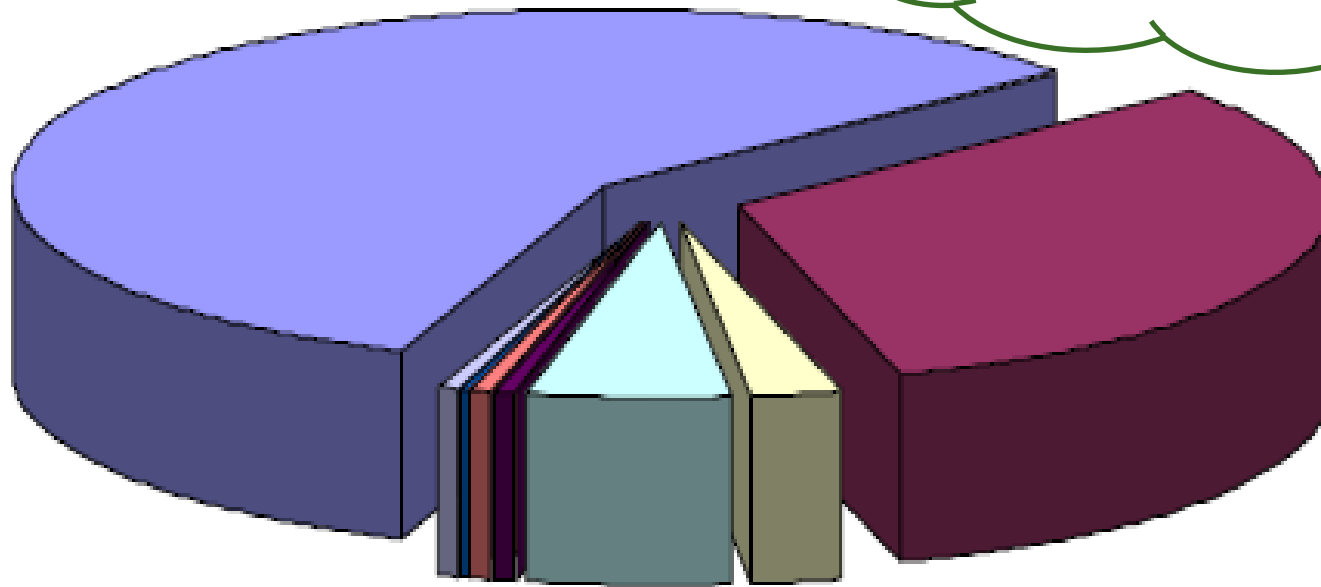
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start Inbox - Microsoft Out... Microsoft PowerPoint ... RE: Follow-up on IFI ... Budget Management FIMS - Property - Buil... 3:03 PM



Annual Operating Cost Breakdown

FY09 Total Expenditure on Operations and Maintenance
\$1.84B*

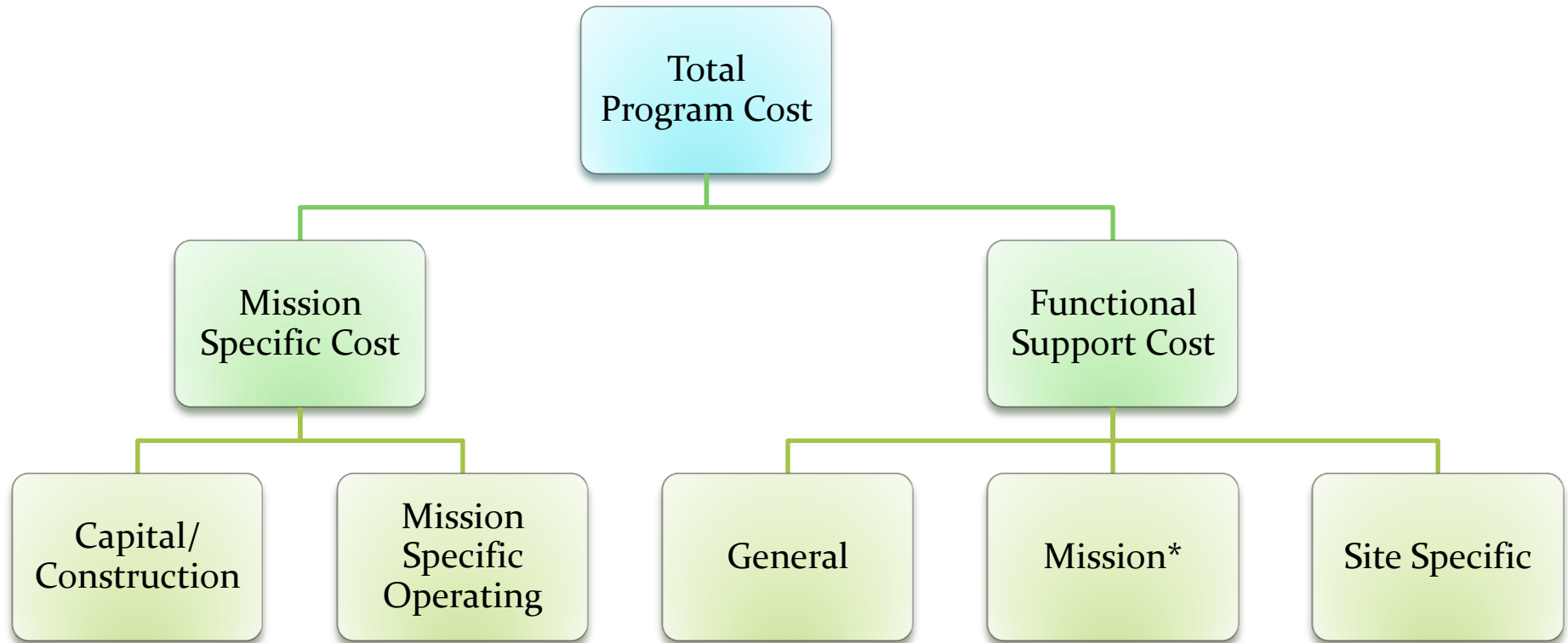


■ Maintenance - 58.3%	■ Utilities - 31.6%	■ Grounds - 2.6%	■ Janitorial - 5.6%
■ Snow - 0.6%	■ Pest Control - 0.4%	■ Recycling - 0.3%	■ Refuse - 0.6%

* FY 09 Real Property Performance Report



SCFA Cost Organization



*Includes: Facilities Management, Facilities Maintenance, Utilities



Mission Support Costs

- **Facility Management** – costs associated with efforts that either create or improve property plant and equipment, and do not meet the capitalization criteria, or support activities that create or improve property, plant and equipment. These activities add to or extend the life of existing property, plant and equipment.
- **Facility Maintenance** – cost of actual work incurred to sustain or continue the functionality of real property. Includes all phases of maintenance: preventive, predictive, and corrective regardless of source of funds. Includes supervision, planning and scheduling, and storage and staging of materials and supplies. Includes janitorial services, pest control and other services to keep facilities usable.
- **Utilities** – costs include utility-related engineering associated with labor, operating plants and equipment, contract services for fuel, water treatment chemicals, or support needed to provide electric power, heat, steam, chilled water, potable water, process gases, and sanitary waste disposal to support business and research.



FY09 Annual Maintenance Expenditure Report to Congress

Required by Conference Report 108-10 accompanying the Consolidated Appropriations Resolution of 2003



- Reports “Planned” Maintenance vs. “Actual” Maintenance
- “Planned” Maintenance is the amount included in the Overview Section of each Program’s FY10 Congressional Budget Submission
- “Actual” Maintenance is the amount provided by the program in the Quarterly Maintenance Report



Data Source for FY09 Planned and Actual Expenditures

FY10 Congressional Budget, Other Defense Activities/*Program*/Overview

Direct-Funded Maintenance and Repair			
(dollars in thousands)			
	FY 2008	FY 2009	FY 2010
Legacy Management			
Legacy Management			
Long-Term Surveillance and Maintenance			
CERCLA Sites	2,154	2,374	2,730
Non-CERCLA Sites	1,804	799	531
Total, Long-Term Surveillance and Maintenance	3,958	3,173	3,261
Total, Legacy Management	3,958	3,173	3,261
Total, Direct-Funded Maintenance and Repair	3,958	3,173	3,261

Quarterly Maintenance Report

	FY 2009											
	FY09 IFI Budget vs Execution Year Actuals								PrM*	YTD Actual	FY09 IFI Budget Crosscut	Current Execution Year BAC
	Budget 1st Qtr	Actual 1st Qtr	Budget 2nd Qtr	Actual 2nd Qtr	Budget 3rd Qtr	Actual 3rd Qtr	Budget 4th Qtr	Actual 4th Qtr				
Non-CERCLA Sites												
Direct Maintenance & Repair	\$199,638	\$304,064	\$199,638	\$85,282	\$199,638	\$152,002	\$199,638	\$560,537	\$30,139	\$1,101,885	\$798,551	\$871,645
CERCLA Sites												
Direct Maintenance & Repair	\$593,452	\$544,500	\$593,452	\$345,676	\$593,452	\$304,682	\$593,452	\$564,424	\$120,556	\$1,759,282	\$2,373,808	\$2,323,149
Legacy Management Total Direct Maintenance & Repair (LMS)	\$793,090	\$848,565	\$793,090	\$430,958	\$793,090	\$456,684	\$793,090	\$1,124,961	\$150,685	\$2,861,167	\$3,172,359	\$3,194,794



FY09 Annual Maintenance Expenditure Report to Congress

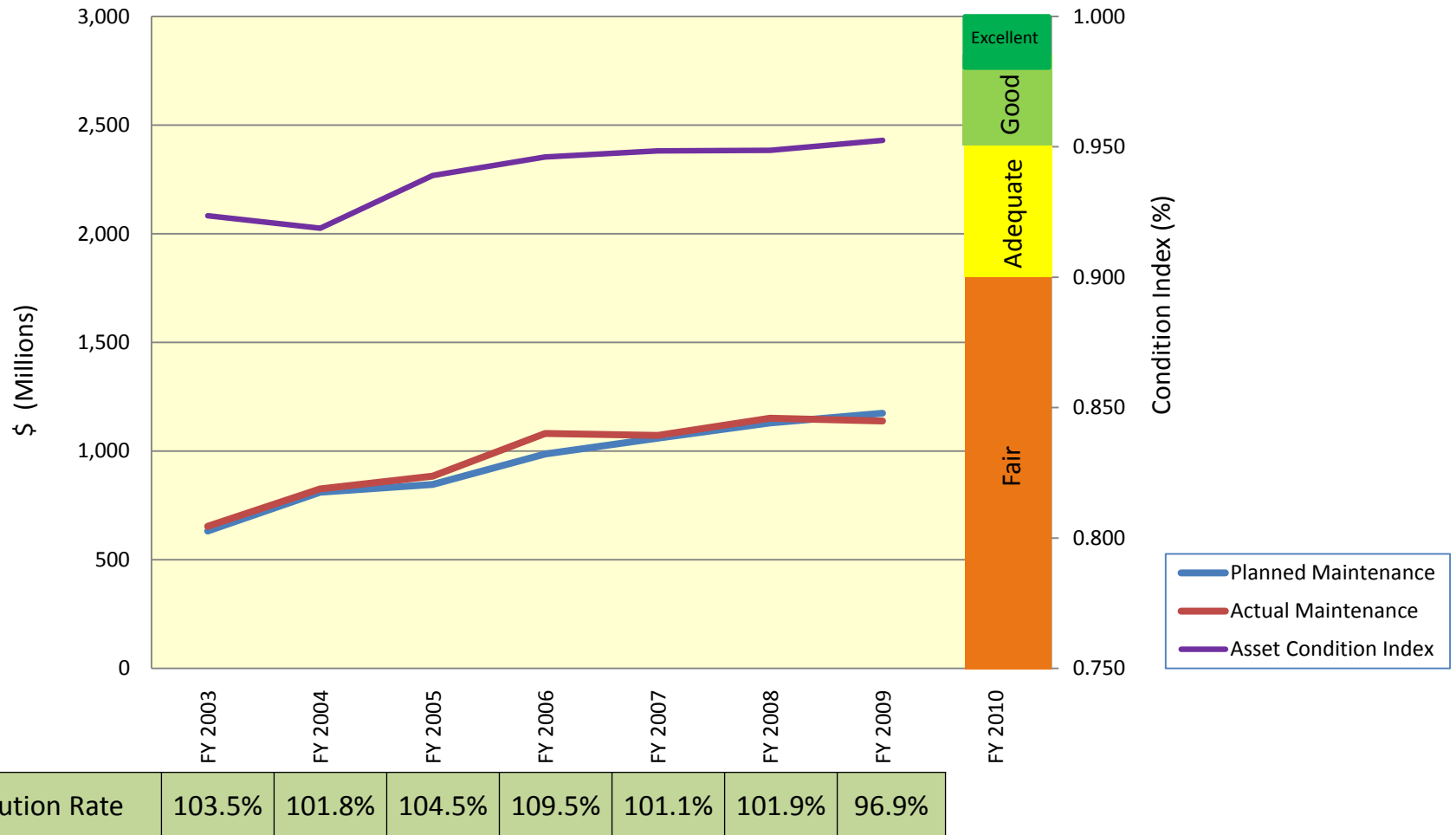
Program	First Quarter Planned (\$000)	First Quarter Actual (\$000)	Second Quarter Planned (\$000)	Second Quarter Actual (\$000)	Third Quarter Planned (\$000)	Third Quarter Actual (\$000)	Fourth Quarter Planned (\$000)	Fourth Quarter Actual (\$000)	Planned Total FY09 Column of FY10 CBR (\$000)	Actual Total QMR (\$000)
Energy Efficiency and Renewable Energy	1,179	1,179	1,593	1,007	1,067	1,086	1,412	2,839	4,243	6,111
Direct Funded Maintenance	489	489	858	394	301	346	363	2,026	2,200	3,255
Indirect Funded Maintenance	690	690	735	613	766	740	1,049	813	2,043	2,856
Office of Nuclear Energy	6,418	6,153	6,569	6,420	8,120	7,299	9,265	11,733	39,346	31,605
Direct Funded Maintenance	2,761	2,797	2,746	2,560	3,393	2,817	4,031	3,958	22,929	12,132
Indirect Funded Maintenance	3,657	3,356	3,823	3,860	4,727	4,482	5,234	7,775	16,417	19,473
National Nuclear Security Administration	123,999	118,419	137,278	133,749	148,382	157,944	168,378	185,919	618,693	596,031
Direct Funded Maintenance	52,539	50,101	52,213	53,731	54,461	60,152	58,784	60,249	268,671	224,233
Indirect Funded Maintenance	71,460	68,318	85,065	80,018	93,921	97,792	109,594	125,670	350,022	371,798
Office of Science	45,715	38,715	45,715	41,717	45,715	49,867	45,715	74,561	182,860	204,860
Direct Funded Maintenance	7,903	7,601	7,903	7,922	7,903	10,714	7,903	14,795	31,612	41,032
Indirect Funded Maintenance	37,812	31,114	37,812	33,795	37,812	39,153	37,812	59,766	151,248	163,828
Office of Fossil Energy	11,137	17,578	19,663	11,528	9,116	12,367	7,692	14,384	47,608	55,857
Direct Funded Maintenance	11,137	17,578	19,663	11,528	9,116	12,367	7,692	14,384	47,608	55,857
Indirect Funded Maintenance	0	0	0	0	0	0	0	0	0	0
Office of Environmental Management	62,832	57,537	61,957	60,758	61,861	64,676	62,678	57,103	274,430	240,073
Direct Funded Maintenance	58,702	54,104	57,821	56,976	57,977	60,949	58,934	54,456	255,422	226,484
Indirect Funded Maintenance	4,130	3,433	4,136	3,782	3,884	3,727	3,744	2,647	19,008	13,589
Office of Civilian Radioactive Waste Management	602	602	302	214	299	201	297	247	1,500	1,264
Direct Funded Maintenance	602	602	302	214	299	201	297	247	3,894	1,264
Indirect Funded Maintenance	0	0	0	0	0	0	0	0	0	0
Legacy Management	793	848	793	431	793	457	793	1,125	3,173	2,861
Direct Funded Maintenance	793	848	793	431	793	457	793	1,125	3,173	2,861
Indirect Funded Maintenance	0	0	0	0	0	0	0	0	0	0

Total Direct Funded Maintenance	635,509	567,118
Total Indirect Funded Maintenance	538,729	571,544
Total Maintenance	1,174,237	1,138,662

- DOE executed 97% of planned target
- Fluctuations in both actual allocation and execution impacted report
- Actual Maintenance of \$1,138M is 1.65% of RVP*



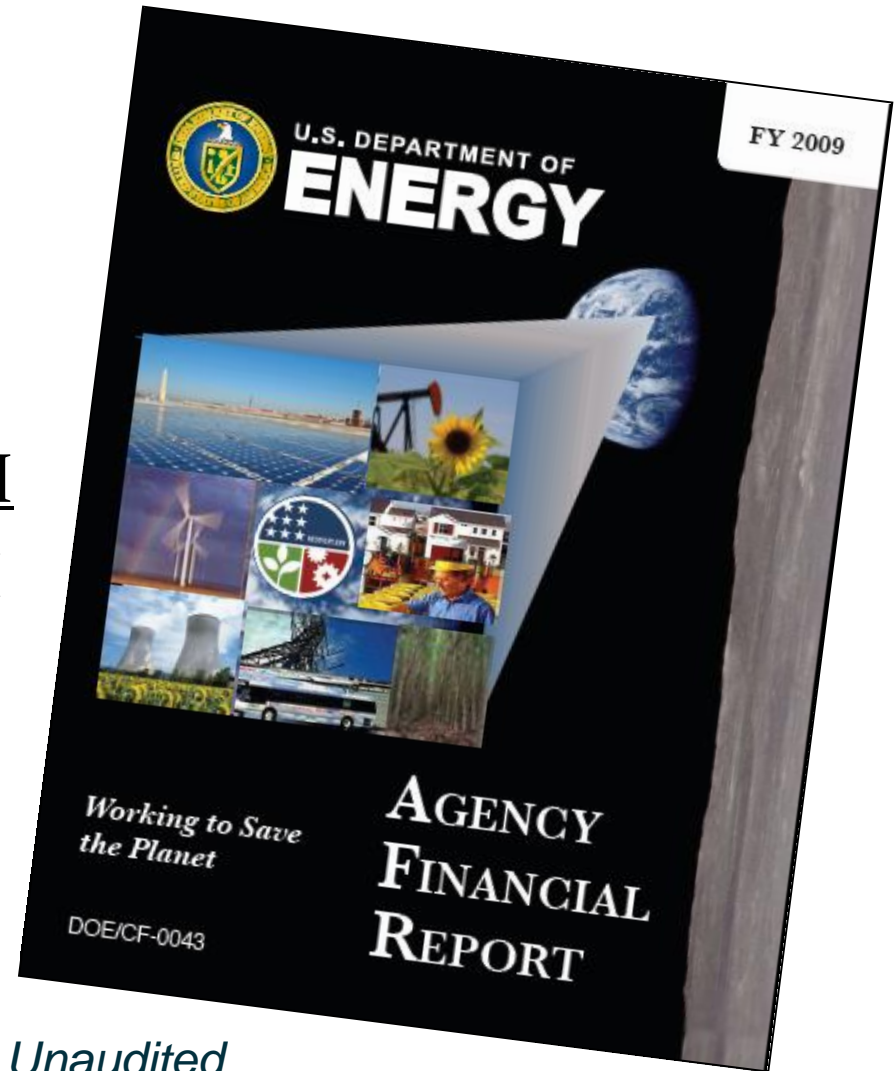
Trends: Planned v. Actual Maintenance





FY09 DOE Agency Financial Report *

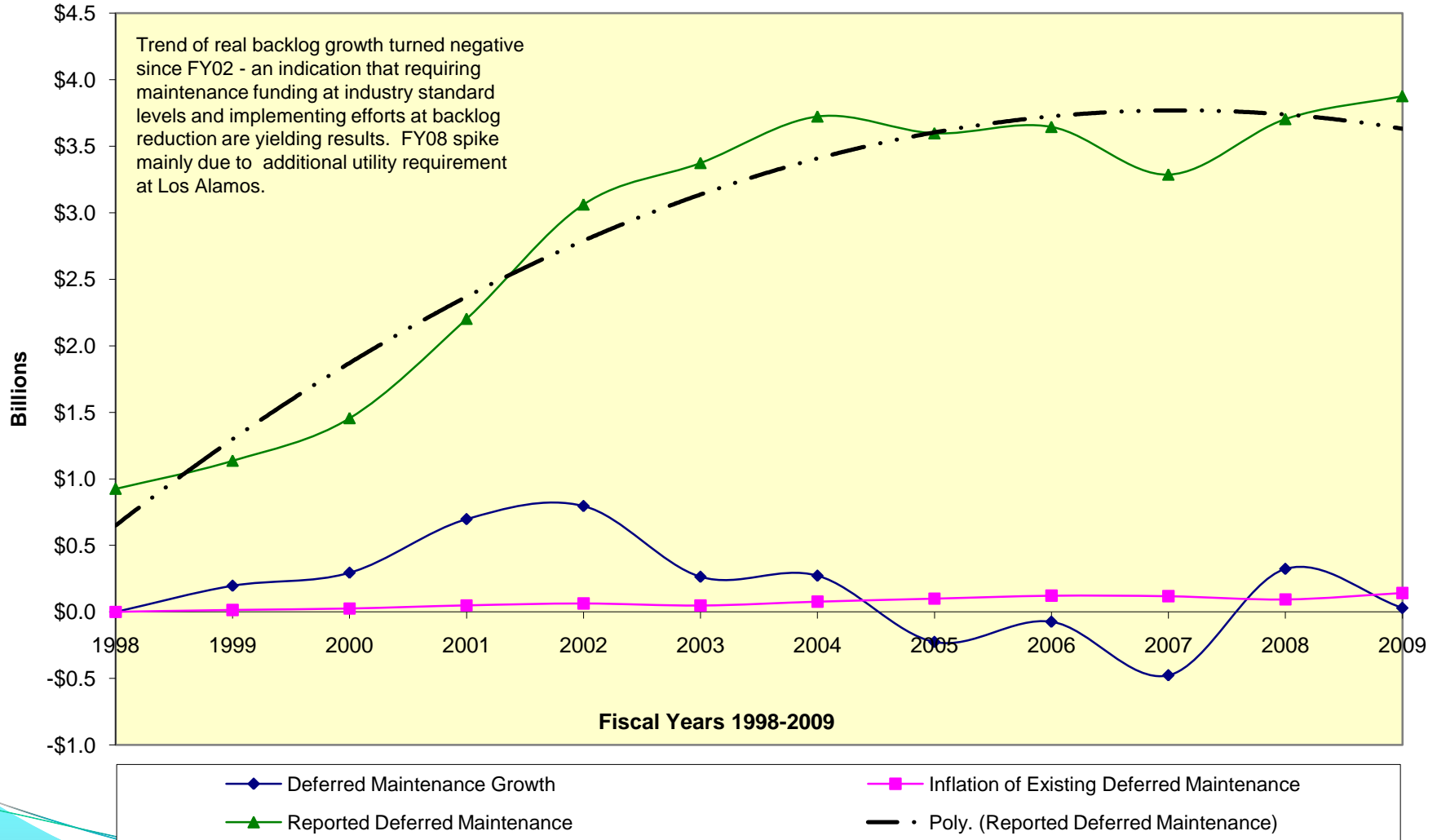
Buildings and OSFs	\$3,876M
<u>Capital Equipment</u>	<u>\$ 112M</u>
Total	\$3,988M



* Required Supplementary Information - Unaudited



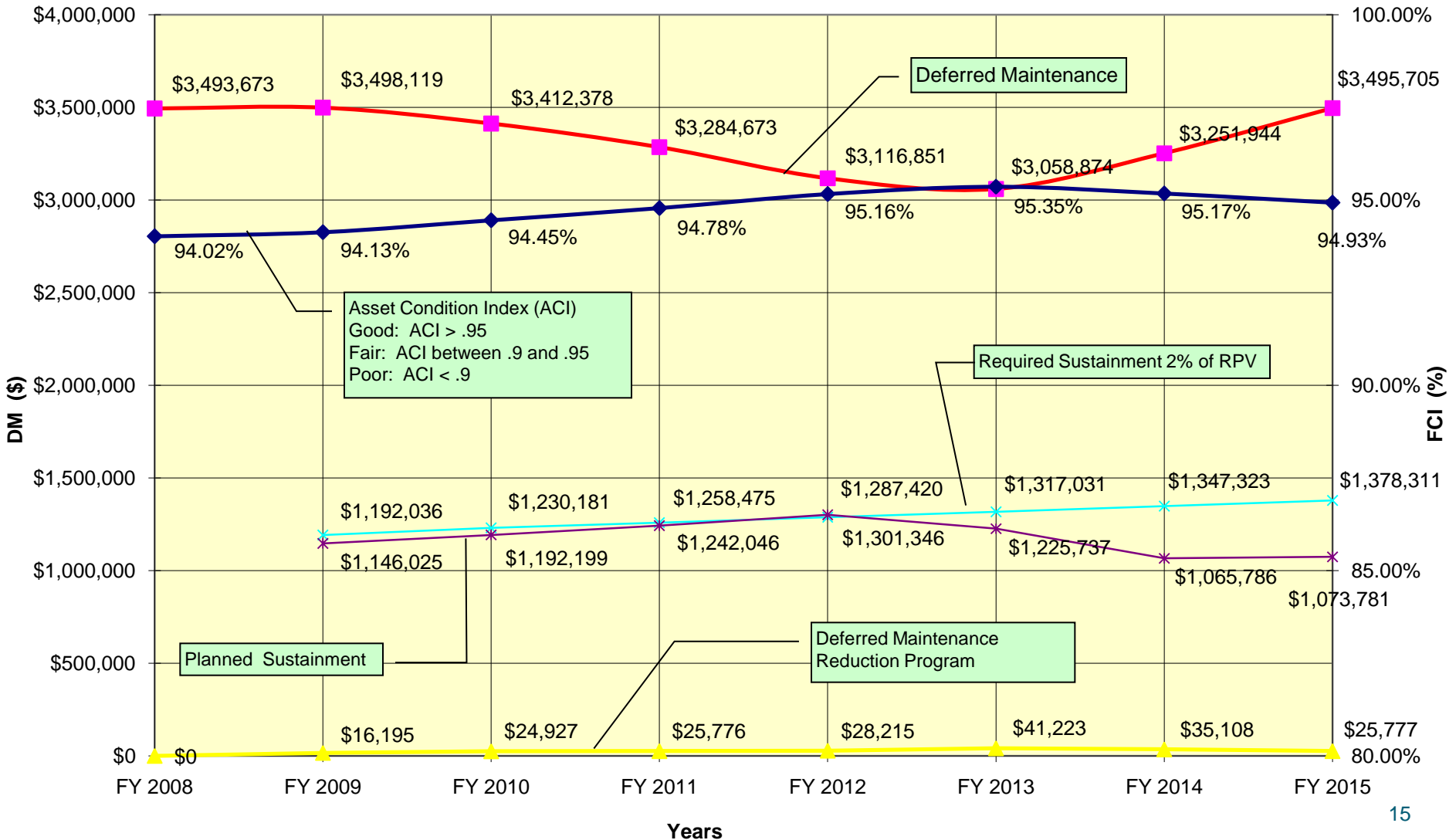
Deferred Maintenance Trends





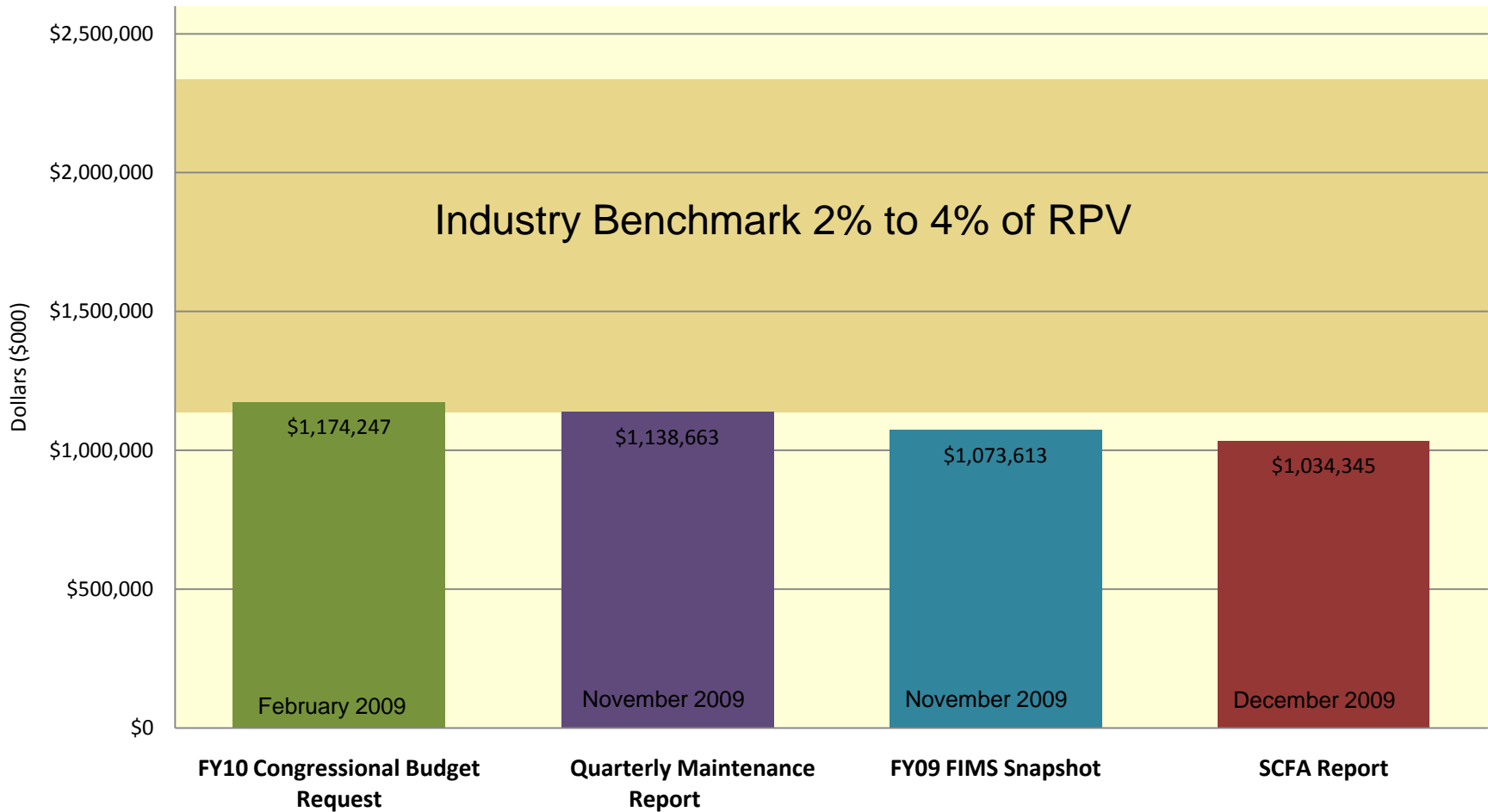
Asset Condition Index Model

Effect of Deferred Maintenance Funding on FCI and Deferred Maintenance (includes inflation)



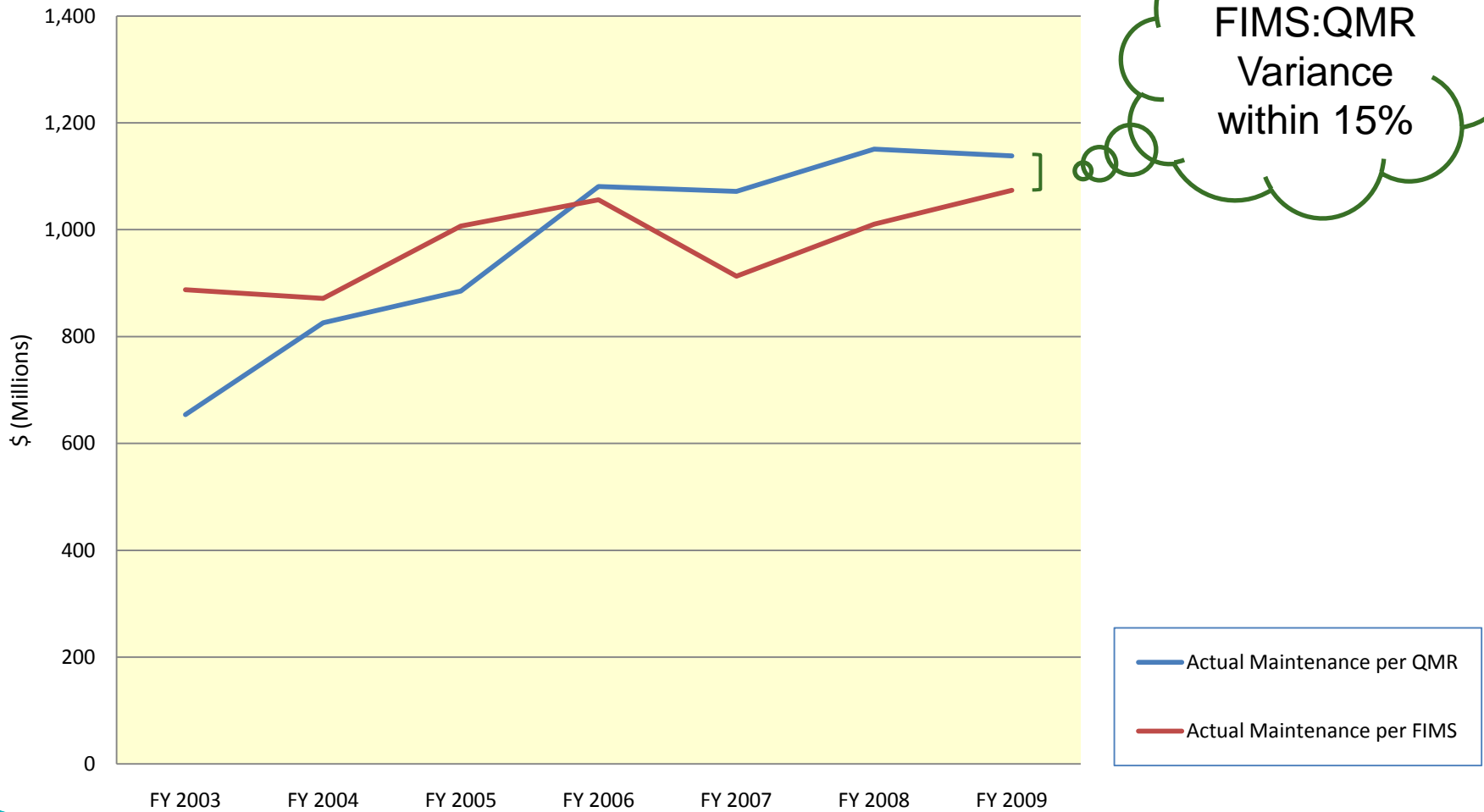


FY09 Report Comparison





Convergence of Data



Questions???

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